

Diesel Emissions Reduction Demonstration Project

Assumptions:

- 1) Ports use specialized diesel equipment for which emission reduction strategies could be developed.
- 2) Diesel emissions at port facilities can be substantially reduced using proper technologies and practices.
- 3) A demonstration project can identify the most cost effective mix of procedures for reducing diesel emissions.
- 4) Other ports are more likely to adopt diesel emission strategies if they can be demonstrated to be cost effective and result in substantial reductions.

INPUTS	OUTPUTS			OUTCOMES		
	ACTIVITIES	OUTPUTS	PARTICIPANTS	SHORT TERM	MEDIUM TERM	LONG TERM
EPA Grant \$\$ Matching Funds In-Kind Contributions	Select representative cross section of on-site diesel vehicles for demonstration project Institute best management practices including reduced idling, cleaner fuels, and retrofits. Model emissions reductions and track cost associated with each of the practices for each category of vehicle.	A suite of cost effective best management practices is identified. A Best Management Practices Implementation Plan is developed for Port PowerPoint presentation prepared for use in presentations to Internal Port and Outreach Targets	Internal Port Targets: Port management & employees, Port customers (shippers), vehicle operators, etc. External Targets: National and Regional Port Conferences	Internal to Port: Implementation plan and timeline is put in place for the port. (Plan is in place by June 2006) Modeled estimates of particulate reduction for demonstration project. (expressed in pounds) External: BMP's & Implementation plan shared with other port facilities.	Internal to Port: Implementation Plan is 50% implemented by 2008. (reductions expressed as reduction in pounds per year in 2010. Baseline = pounds per year for 2006.) Cost savings expressed in \$\$ per year as of 2008 using 2006 dollars. Plan is modified to reflect lessons learned & information gathered from other ports. External: Dialogue and information sharing with other ports continues	Internal to Port: BMP Implementation Plan fully implemented by 2010. (reductions expressed in pounds per year) Cost savings expressed in \$\$ per year as of 2010 using 2006 dollars Desired External Outcome: BMPs are widely adopted by other ports.

End of Demonstration Grant Period